

U-3  
INTERNATIONAL<sup>®</sup>

# CUB<sup>®</sup> 154 LO-BOY<sup>®</sup>

TRACTOR



POWERFUL NEW HEAVY-DUTY MOWING TEAM  
CUB 154 LO-BOY TRACTOR WITH 60" ROTARY MOWER



# INTERNATIONAL<sup>®</sup> CUB<sup>®</sup> 154 LO-BOY<sup>®</sup> TRACTOR



New! A work-styled tractor with horsepower, comfort, maneuverability and extra features specifically designed to meet today's needs in lawn, garden and industrial use. The 154 offers a more quiet, water-cooled engine with increased rpm to 2200; independent power-take-off at 1800 rpm; a time-tested and work-proved transmission; cleaner, safer deck; convenient panel-cluster controls; more man comfort—and many other practical features to make it best buy in its class. Team with a 48 or 60-inch mower, front-mounted blade, disc harrow and other tools.

## Features and General Specifications

### HORSEPOWER:

Horsepower, bare engine (standard sea level conditions: 60°F. temperature and 29.92 in. Hg. barometric pressure dry air).....15.0  
Net engine HP per IEMC standard (engine equipped with fan, muffler, air cleaner, generator) (85°F. and 29.00 in. Hg. barometric pressure).....14.0

(see engine performance curve for torque and HP vs RPM)

Taxable engine hp (A.M.A.).....11.0

### GROUND SPEEDS, MPH with 8.3-24 R-3 tires (2200 RPM engine speed, no allowance for slippage.)

Gear: First.....2.9  
Second.....3.8  
Third.....8.6  
Reverse.....3.2

### TRACTOR DIMENSIONS (with 8.3-24 R-3 and 4.00-12 I-1 tires):

Wheelbase, in..... 64  
Length, overall, in..... 94  
Width, overall, in..... 52  
Height over steering wheel, in..... 49  
Ground clearance, minimum (under front axle), in..... 13  
Turning radius, no braking, feet.....9.4  
Tread, front and rear, in..... 42  
Drawbar height, in..... 13

### LIQUID CAPACITIES:

Cooling system, qt.....9.8  
Fuel tank, gal..... 8  
Engine crankcase, qt..... 3  
Transmission, qts. (Tractor without hyd. system)..... 2  
(Tractor with hyd. system)..... 7  
Axle housings, each, qt.....1.5

### WEIGHTS:

Shipping weight, lb.....1,400  
Operating weight without ballast, full of fuel, with operator:  
Front, lb..... 530  
Rear, lb.....1,100  
Total.....1,630

### ENGINE:

IH, C-60, gasoline, 4 cylinder, "L" head, 2.625" bore x 2.750" stroke, 59.5 cubic in. displacement. Liquid cooled, thermosyphon system. Rated speed, 2,200 RPM. Compression ratio, 7.5:1. Cast iron crankcase and cylinder head.

### ENGINE FEATURES:

**Crankshaft:** Forged steel, with induction hardened journal.  
**Connecting Rods:** Forged steel, "I" beam type. **Bearings—Main and Connecting Rod:** Tri-metal shell inserts, replaceable.  
**Pistons:** Aluminum, with two-compression and one oil ring.  
**Valves:** Positive rotating silchrome steel exhaust valves. Alloy steel intake valves. **Cylinders:** Integral part of cast iron crankcase. Full length water jackets. **Engine Lubrication:** Pressure lubrication to all bearings and valve tappets. Gear type pump. By-pass type oil filter with replaceable, pleated paper type element. **Governor:** Enclosed, variable speed, centrifugal type, with infinitely adjustable control permitting full load engine speed settings of 1,000 to 2,200 RPM. **Electrical:** Battery ignition with automatic spark timing. 12-volt system with 40 amp. hr. battery. Combination cranking motor and generator in one unit. Two-unit voltage regulator. **Carburetor:** Updraft, ¾-inch venturi, fixed main jet. **Air Cleaning System:** Dry type, 5.5-inch diameter air cleaner with replaceable element and automatic dirt unloader. Under-hood muffler with side discharge.

**ELECTRIC LIGHTING:** Two front, sealed beam headlamps, recessed in grille. One rear red tail lamp. Flashing safety warning light at rear.

**TRACTOR FRAME:** Channel steel frame extends full length of tractor.

### POWER TRAIN:

**Clutch:** Single plate, dry disc, spring loaded, 5.5-inch diameter, 25 sq. in. contact area. Foot pedal operated. **Transmission:** Selective, sliding spur gear type. 3 speeds forward, 1 reverse. **Differential:** 2 pinion, located on final drive pinion shafts. **Final drive:** Individual bull gears for each axle, enclosed in separate housings. All power train gears are cut, alloy steel, heat treated.

**REAR AXLES:** Flanged, forged steel, live axles, mounted on tapered roller bearings.

**BRAKES:** External contracting band type, located on each final drive pinion shaft. Mechanical foot operated. Hold-down latch provides parking brake.

**FRONT AXLE:** Cast iron, "I" beam, center pivoted. Wheels rotate on ball bearings. Fixed tread.

**STEERING:** Automotive-type manual steering. Ross cam and lever enclosed steering gear. 15-inch diameter steering wheel. Overall steering ratio, 12.6:1. Steering wheel turns 3 revolutions, stop to stop.

**DRAWBAR:** Fixed height drawbar at rear of tractor.

**POWER TAKE-OFF:** Independent power take-off at rear of tractor, controlled by 4-inch multiple disc, dry, spring loaded clutch with hand lever control. 1800 r.p.m.

**HYDRAULIC LIFT:** Hydraulically powered rockshaft has lift arms amidships at each side of tractor, providing 900 to 1,200 lb. ft. torque at rated system pressure of 1,600 psi, with 70° of angular movement. Single acting, with nudging type control valve. 2.5 gpm pump, engine mounted, gear driven. 1¾-inch diameter x 5 inch stroke, single acting hydraulic cylinder actuates rockshaft.

**SEAT AND OPERATOR CONTROLS, INSTRUMENTS:** Solid mounted, padded contoured seat with fore and aft adjustment. Rear wheel fenders shield operator from drive wheels. Operator's controls are: brake pedal, clutch pedal, park lock, PTO lever, hydraulic lift and hitch control valve, steering wheel, gear shift lever, engine governor control, engine choke control, key type ignition and starter switch, light switch. Instruments on dash panel are electric charge and discharge meter, and oil pressure warning light.

**OTHER EQUIPMENT:** Front tires, 4.00-12, 4-ply (I-1). Rear tires, 8.3-24, 4-ply (R-3).

## Optional Equipment at Additional Cost

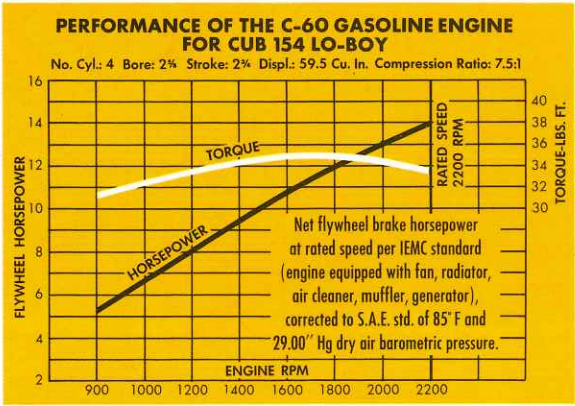
**HITCH:** 3-pt. implement hitch at rear of tractor, hydraulically power actuated. Position control by single acting valve. 450-lb. lift capacity 24 inches to rear of hitch ball at rated hydraulic system pressure of 1,600 psi. 2.5 gpm pump, engine mounted, gear driven. Requires center-mounted hydraulic rockshaft.

**MANUAL LIFT:** Hand lever attachment available for manually raising and lowering center-mounted mower on tractor, in lieu of hydraulic lift for this purpose.

**ALTERNATE TIRES:** Terra: Front tires, 20 x 8.00-10, 2-ply. Rear tires, 13.6-16, 6-ply (R-3).

**OTHER OPTIONAL FEATURES—**Dry battery, combination rear light, front and rear wheel weights.

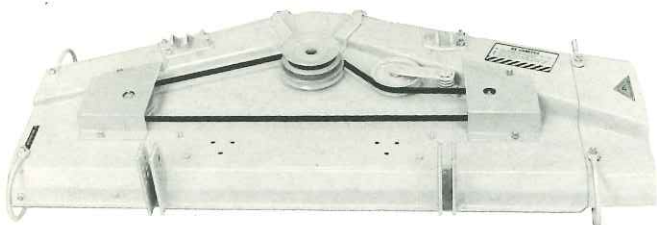
Specifications subject to change without notice.





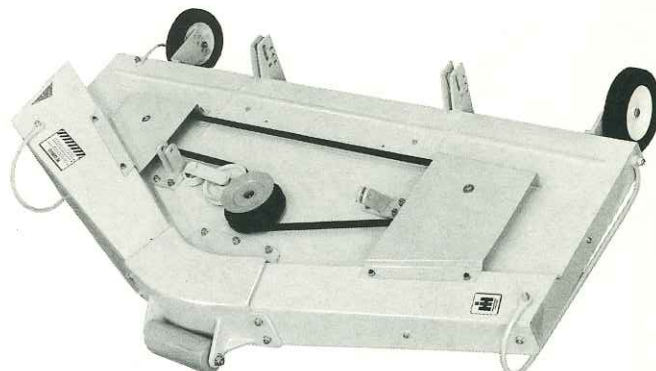
# WORK POWER VERSATILITY

FOR INDUSTRIAL, COMMERCIAL, RESIDENTIAL, GARDENING, FARMING



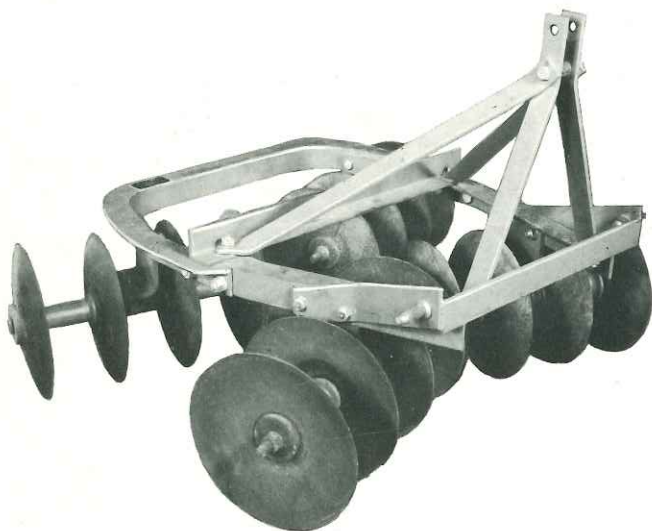
## International 48-Inch Rotary Mower for International Cub 154 Lo-Boy Tractors

Three cutting blades mounted on spindles driven by a heavy-duty V-belt are designed to create a suction that lifts the grass and holds it for an even cut. Raising and lowering (cutting heights: 1 to 7 inches) is done by means of tractor hydraulic system. Mower may be quickly detached from subframe and lift linkage. Mower is driven by V-belt from rear pto. Spring-loaded belt tightener maintains proper tension. Tapered discharge chute design minimizes clogging.



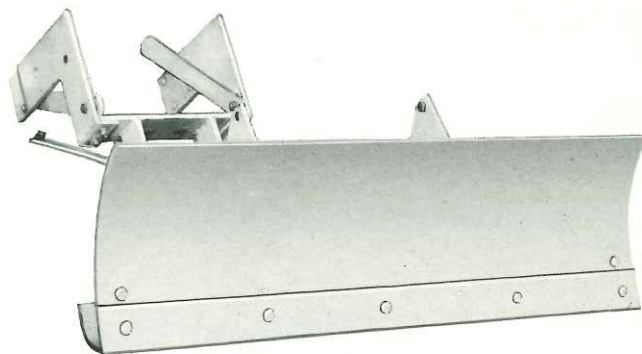
## International 60-Inch Rotary Mower for International Cub 154 Lo-Boy Tractors

Similar to 48-inch mower with addition of gauge wheels which allow the mower to follow the contour of the ground and minimize ground scalping. The mower front roller also aids in minimizing clogging. Mower extends beyond the tractor wheels to permit close trimming next to buildings, etc. Cutting height: 1 to 7 inches. Both mowers have encapsulated, ball-bearing type spindles which can be relubricated. Each spindle from left to right, is driven progressively faster to aid in cutting.



## International 110 Disc Harrow for International Cub 154 Lo-Boy Tractors

Four gangs of four 14-inch heat-treated disc plates mounted on heavy  $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{3}{4}$ -inch angle iron. Rear two gangs may be lifted to bear on front gangs for deeper penetration, or removed. Cutting width, rear gangs: 52 inches; front gangs: 46 inches.  $\frac{7}{8}$ -inch arbor bolts. Hard-iron gang bearings. Weight, 336 lb.



## International Front-Mounted Blade for International Cub 154 Lo-Boy Tractors

This 54-inch wide blade may be angled 11 or 22 degrees, right or left. It has a 3-position mouldboard pitch and tilts 10 degrees at either end. Lift is controlled hydraulically. All-steel construction, replaceable and reversible  $\frac{1}{4} \times 3\frac{1}{2}$ -inch cutting edge, adjustable guard shoes, shock release spring, 6x54-inch extension plate attachment.

Specifications subject to change without notice

 **INTERNATIONAL® INDUSTRIAL EQUIPMENT**  
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